



FORM P-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 1 of 6

ATTORNEY DOCKET No.

03-0052 (8470-000016)

SERIAL No.

10/771,692

APPLICANT

PARK, Edward H.

FILING DATE

February 4, 2004

GROUP

3673

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	AP	2,710,290	6/7/1955	Safford et al.		
2.		2,927,908	3/8/1960	Konkle et al.		
3.		2002/0091205	7/11/2002	Brewer et al.		
4.		2002/0099142	7/25/2002	Faulkner		
5.		2002/0113066	8/22/2002	Stark et al.		
6.		2002/0198320	12/26/2002	Chmielewski et al.		
7.		2003/0026995	2/6/2003	Duchesne et al.		
8.		2003/0138655	7/24/2003	Watanabe et al.		
9.		2004/0183702	9/23/2004	Nachtigal et al.		1/20/2004
10.		2004/0260023	12/23/2004	Park et al.		6/17/2003
11.		2005/0171282	8/4/2005	Park		2/4/2004
12.		2005/0272872	12/8/2005	Park		7/15/2003
13.		2005/0275565	12/15/2005	Nachtigal et al.		4/28/2003
14.		2005/0288434	12/29/2005	Sugiura et al.		3/27/2003
15.		3,037,954	6/5/1962	Gessler et al.		
16.		3,538,028	11/3/1970	Morgan		
17.		3,787,341	1/22/1974	Aron		
18.		4,035,565	7/12/1977	Apotheker et al.		
19.		4,202,555	5/13/1980	Becker et al.		
20.		4,287,320	9/1/1981	Kolb		
21.	AP	4,311,628	1/19/1982	Abdou-Sabet et al.		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Sheet 2 of 6

ATTORNEY DOCKET NO.

03-0052 (8470-000016)

SERIAL NO.

10/771,692

APPLICANT

PARK, Edward H.

FILING DATE

February 4, 2004

GROUP

3673

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.	AP	4,328,140	5/4/1982	Singletary et al.		
23.		4,386,170	5/31/1983	Monroe		
24.		4,419,499	12/6/1983	Coran et al.		
25.		4,450,263	5/22/1984	West		
26.		4,530,881	7/23/1985	Santoso et al		
27.		4,553,761	11/19/1985	Blesing et al.		
28.		4,572,516	2/25/1986	Symons et al.		
29.		4,596,855	6/24/1986	Stewart		
30.		4,624,978	11/25/1986	Frayar		
31.		4,656,228	4/7/1987	Richter et al.		
32.		4,696,976	9/29/1987	Ellerbe III et al.		
33.		4,696,989	9/29/1987	Oka et al.		
34.		4,787,991	11/29/1988	Morozumi et al.		
35.		5,018,749	5/28/1991	Forch		
36.		5,095,072	3/10/1992	Kobayashi et al.		
37.		5,217,137	6/8/1993	Andrews		
38.		5,219,931	6/15/1993	Siol et al.		
39.		5,331,040	7/19/1994	Lee		
40.	↓	5,354,811	10/11/1994	Kamiya et al.		
41.	AP	5,370,404	12/6/1994	Klein et al.		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 3 of 6	ATTORNEY DOCKET No.		SERIAL No.
	03-0052 (8470-000016)		10/771,692
	APPLICANT		
	PARK, Edward H.		
	FILING DATE	GROUP	
	February 4, 2004	3673	

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
42.	AP	5,384,374	1/24/1995	Guerra et al.		
43.		5,397,832	3/14/1995	Ellul		
44.		5,427,387	6/27/1995	Johnston		
45.		5,548,028	8/20/1996	Tabb		
46.		5,585,152	12/17/1996	Tamura et al.		
47.		5,700,866	12/23/1997	Tabb		
48.		5,713,577	2/3/1998	Lannert et al.		
49.		5,723,544	3/3/1998	Lee		
50.		5,758,881	6/2/1998	Stanley		
51.		5,962,589	10/5/1999	Matsumoto et al.		
52.		6,066,697	5/23/2000	Coran et al.		
53.		6,147,158	11/14/2000	Chmielewski		
54.		6,162,385	12/19/2000	Grosse-Puppendahl et al.		
55.		6,310,141	10/30/2001	Chen et al.		
56.		6,312,639	11/6/2001	Ertle et al.		
57.		6,407,174	6/18/2002	Ouhadi		
58.		6,409,177	6/25/2002	Johnston		
59.		6,410,630	6/25/2002	Hoover et al.		
60.	↓	6,429,249	8/6/2002	Chen et al.		
61.	AP	6,437,030	8/20/2002	Coran et al.		

Examiner:	Date Considered:
-----------	------------------

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 4 of 6	<b>ATTORNEY DOCKET NO.</b>		<b>SERIAL NO.</b>
	03-0052 (8470-000016)		10/771,692
	<b>APPLICANT</b>		
	PARK, Edward H.		
	<b>FILING DATE</b>		<b>GROUP</b>
February 4, 2004		3673	

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
62.	AP	6,500,374	12/31/2002	Akioka et al.		
63.		6,624,251	9/23/2003	Chmielewski		
64.		6,649,217	11/18/2003	Gust		
65.		6,656,831	12/2/2003	Lee et al.		
66.		6,663,966	12/16/2003	Mhetar		
67.		6,729,624	5/4/2004	Johnston		2/20/2001
68.		6,774,171	8/10/2004	Kassa et al.		1/9/2003
69.		6,860,486	3/1/2005	Hacker et al.		11/5/2002
70.	↓	6,872,325	3/29/2005	Bandyopadhyay et al.		9/9/2002
71.	AP	7,098,270	8/29/2006	Hochgesang et al.		9/10/2002

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	AP	JP 2001-336679	12/7/2001	Japan		Abstract	
2.	AP	JP 62-236841	10/16/1987	Japan		Abstract	
3.	AP	JP 05-186606	7/27/1993	Japan		Abstract	
4.	AP	JP 2000-079928	3/21/2000	Japan		Abstract	
5.	AP	JP 58-032655	2/25/1983	Japan		Abstract	
6.	AP	JP 62-011767	1/20/1987	Japan		Abstract	
7.	AP	WO 00/11073	3/2/2000	WIPO		N/A	

Examiner:	Date Considered:
-----------	------------------

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 5 of 6	ATTORNEY DOCKET No.	SERIAL No.
	03-0052 (8470-000016)	10/771,692
	APPLICANT	
	PARK, Edward H.	
	FILING DATE	GROUP
	February 4, 2004	3673

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
8.	AP	WO 01/98405	12/27/2001	WIPO		N/A	
9.		WO 01/48077	7/5/2001	WIPO		N/A	
10.		WO 02/070929	9/12/2002	WIPO		N/A	
11.		EP 0148719	7/17/1985	EPO		N/A	
12.		EP 0168020	10/18/1989	EPO		N/A	
13.		EP 0239707	10/7/1987	EPO		Abstract	
14.		EP 0254307	12/27/1991	EPO		N/A	
15.		EP 0304843	3/3/1993	EPO		N/A	
16.		EP 0356619	3/7/1990	EPO		Abstract	
17.		EP 0431325	6/12/1991	EPO		Abstract	
18.		EP 0432911	6/19/1991	EPO		N/A	
19.		EP 0681113	11/8/1995	EPO		N/A	
20.		EP 0714944	6/5/1996	EPO		Abstract	
21.		EP 1046841	10/25/2000	EPO		Abstract	
22.	AP	EP 1209203	5/29/2002	EPO		N/A	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
1.	AP	"Fluorine-Containing Polymers" Encyclopedia of Polymer Science & Engineering, Vol. 7, Second Edition (1987). (Pages 256-267).

Examiner:	Date Considered:
-----------	------------------

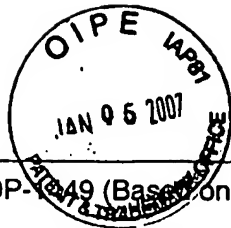
EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 6 of 6	ATTORNEY DOCKET No.	SERIAL No.
	03-0052 (8470-000016)	10/771,692
	APPLICANT	
	PARK, Edward H.	
	FILING DATE	GROUP
	February 4, 2004	3673

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
2.	AP	"Polyurethanes" Encyclopedia of Polymer Science & Engineering, Vol. 13, Second Edition (Date Unknown). (Pages 274-278).
3.		Webpage: "Dyneon™ Fluorothermoplastics" Accessed from 3M Manufacturing and Industrial and Downloaded May 8, 2003. (2 pages).
4.		"Viton® Fluoroelastomer, A Product of DuPont Dow Elastomers", Technical Information, DuPont Dow Elastomers, Copyright 1988.
5.		"AFLAST™ The Fluoroelastomer," Asahi Glass Company, Product Information, April 11, 2003. (8 pages).
6.		Webpage: "Tetrafluoroethylene-Propylene Rubber, Date Unknown. (3 pages).
7.		Schmiegell, Walter W., "A Review of Recent Progress in the Design and Reactions of Base-Resistant Fluoroelastomers", DuPont Dow Elastomers, IRC, July 2003.
8.		Moore, Michael J. "Silanes as Rubber-to-Metal Bonding Agents," 160th Meeting of the Rubber Division, American Chemical Society, Cleveland, Ohio, Paper No. 105, (2001). (17 pages).
9.		Viton® Fluoroelastomer: Viton Extreme ETP-600S Technical Information (Formerly designated VTR-8710), DuPont Dow Elastomers (Date Unknown). (6 pages).
10.		Material Safety Data Sheet "DuPont™ TPV 60A01 and 80A01", C.S. Wong, (September 18, 2001). (9 pages).
11.		DuPont "Grades for Customer Evaluation" - TPV 60A and TPV 80A." (3 pages).
12.	✓	Solvay Solexis: "Product Data Sheet: Tecnoflon FPA 1" available at <a href="http://www.solvaysolexis.com">www.solvaysolexis.com</a> . Copyright 2003. (2 pages).
13.	AP	Sasol: Sasol Olefins and Surfactants available at <a href="http://www.sasoltechdata.com">www.sasoltechdata.com</a> . (20 pages).

Examiner:	/Alison Pickard/	Date Considered:	02/14/2007
-----------	------------------	------------------	------------

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE**  
**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET No.

SERIAL No.

03-0052 (8470-000016)

10/771,692

APPLICANT

PARK, Edward H.

FILING DATE

GROUP

February 4, 2004

3673

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	AP	2002/0122928	9/5/2002	Botrie et al.		
2.		2005/0281973	12/22/2005	Park		
3.		2006/0004126	1/5/2006	Park et al.		
4.		2006/0142467	6/29/2006	Park		
5.		2006/0142491	6/29/2006	Park		
6.		2006/0142492	6/29/2006	Park		
7.		2006/0148954	7/6/2006	Park et al.		
8.		4,451,542	5/29/1984	Ishida et al.		
9.		6,054,537	4/25/2000	Shimizu et al.		
10.		6,114,441	9/5/2000	Spohn et al.		
11.	AP	7,087,679	8/8/2006	Shimizu et al.		

Examiner: /Alison Pickard/

Date Considered:

02/14/2007

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.